



Christall Results

Docket No.: PF-0358-2 DIV
USSN: 09/847,809
Attachment No. 2 of 2

Sequences Help

Retrieval	BLAST2	FASTA	ClustalW	CGC Assembly	Phrap	Translation
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1601793CD1
q220582

CLUSTAL W (1.7) Multiple Sequence Alignments

```
Sequence format is Pearson
Sequence 1: 1601793CD1          315 aa
Sequence 2: g220582            325 aa
Start of Pairwise alignments
Aligning...
Sequences (1:2) Aligned. Score: 58
Start of Multiple Alignment
There are 1 groups
Aligning...
Group 1: Sequences: 2          Score:3364
Alignment Score 1226
CLUSTAL-Alignment file created [baax0ayYk.aln]
CLUSTAL W (1.7) multiple sequence alignment
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1601793CD1 g220582	-MDLRQFLMCLSLCTAFALS---KPTEKKDRVHH-EPQLSDKVHNDAQSFYDHDHDAFLGA MARGGRLGLALGLLLALVLALRAKPTVRKERVVPRDSELGERPPEDNQSFQYDHEAFLGK :: :.*.* *:.*: *** :*:.* : :.:*.: : * ***:***:***
1601793CD1 g220582	EEAKTFDQLTPESKERLGKIVSKIDGDKDGFVTVDDELKDWIKFAQKRWIYEDVERQWKG EDSKTFDQLSPDESKERLGKIVDRIDSDGDGLVTTEELKLWIKRVQKRYIYDNVAKVWKD *.:*****:*.:*****.:.*. * *:.*.:*** ** .***:***:* : **.
1601793CD1 g220582	HDLNEDGLVSWEYKYNATYGYVLDLP---DPDDGFNYKQMMVRDERRFKMADKDGDLIA YDRDKDEKISWEYKQATYGYLGNPAEFHDSDDHHTFKMLPRDERRFKASDLGDGLTA :* :.* :*****:***** *.:* *. * ..*:.*: ***** :* *****
1601793CD1 g220582	TKEEFTAFHLHPEEYDYMKDIVVQETMEDIDKNADGFIDLEEYIGDMYSHDGNTEPEWVK TREEFTAFHLHPEEFHMKIEVVLETLEDIDKNGDGFVDQDEYIADMFSHEDNGPEPDWVL *.:*****:*.:*** ** *:*****.***:* :***.***:*. * **:*
1601793CD1 g220582	TEREQFVEFRDKNRDGKMDKEETKDWILPSDYDHAEAEARHLVYESDQNKDGKLTKEEIV SREQFNDFRDLNKGKLDKDEIRHWILPDQYDHAQAEARHLVYESDKNKDEMLTKEEIL :***** :*** *:***:***:*. * .*****.*****:*****:*** *****:
1601793CD1 g220582	DKYDLFVGSQATDFGEALVR-HDEF DNWNMFVGSQATNYGEDLTKNHDEL



Sequence Revision History

PubMed	Nucleotide	Protein	Genome	Structure	PMC	Taxonomy	OMIM	Books
Find (Accession, GI number or Fasta style SeqId) <input type="text"/>								Go
Clear								

Search for Genes

Entrez Nucleotide

Revision history for "D13003"			
GI	Version	Update Date	Status
220581	1	Jul 25 2002 14:17	Live
220581	1	Sep 8 1999 19:10	Dead
220581	1	Mar 17 1999 21:53	Dead
220581	1	Jun 5 1997 14:48	Dead
220581	1	Apr 29 1993 10:48	Dead

Accession D13003 was first seen at NCBI on Apr 29 1993 10:48

Related resources

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[NCBI](#) | [NLM](#) | [NIH](#)



PubMed	Nucleotide	Protein	Genome	Structure	PMC	Taxonomy	OMIM	Books
Search		Nucleotide	for			Go	Clear	
Limits		Preview/Index		History		Clipboard		Details
Display	default	Show:	1	Send to	File	Get Subsequence		

☐ 1: BAA02366. reticulocalbin [M...[gi:220582]

[BLink](#), [Domains](#), [Links](#)

LOCUS BAA02366 325 aa linear ROD 09-SEP-1999
 DEFINITION reticulocalbin [Mus musculus].
 ACCESSION BAA02366
 VERSION BAA02366.1 GI:220582
 DBSOURCE locus MUSRCAL accession D13003.1
 KEYWORDS
 SOURCE Mus musculus (house mouse)
 ORGANISM Mus musculus

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.

REFERENCE 1 (residues 1 to 325)
 AUTHORS Ozawa,M. and Muramatsu,T.
 TITLE Reticulocalbin, a novel endoplasmic reticulum resident
 Ca(2+)-binding protein with multiple EF-hand motifs and a
 carboxyl-terminal HDEL sequence

JOURNAL J. Biol. Chem. 268 (1), 699-705 (1993)

MEDLINE 93107083

PUBMED 8416973

REFERENCE 2 (residues 1 to 325)

AUTHORS Ozawa,M.

TITLE Direct Submission

JOURNAL Submitted (23-AUG-1992) Masayuki Ozawa, Faculty of Medicine,
 Kagoshima University, Department of Biochemistry; 8-35-1
 Sakuragaoka, Kagoshima, Kagoshima 890, Japan (Tel:0992-75-5246,
 Fax:0992-64-5618)

FEATURES Location/Qualifiers
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 /db_xref="taxon:10090"
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 sig_peptide 1..20
 mat_peptide 21..325
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 CDS 1..325
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ORIGIN

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121 ydrdkdekis weeykqatyg yylgnpaefh dssdhhtfkk mlprderfrk asdlldgldta
181 treeftaflh peefehmkei vvletledid kngdgfvdd eyiadmfsh dngpepdwv1
241 sereqfndfr dlndgkldk deirhwilpq dydhaqaear hlvyesdknk demltkeeil
301 dnwnmfvgsg atnygedltk nhdel

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Jan 5 2005 10:18:45